



The Army Modular Force 2004 – 2020



Secretary of the Army

Serving a Nation at War

A Campaign Quality Army with Joint and Expeditionary Capabilities



THE ARMY MODULAR FORCE

WHAT IT IS

- **Total redesign of the operational Army...Full Spectrum Force**
 - Larger and More Powerful
 - More Flexible
 - More Rapidly Deployable
- **Division-centric to Brigade Combat Team-centric**
- **Brigade Combat Team (Unit of Action)**
 - Organized the way it fights
 - 3,500 - 4,000 Soldiers
 - Self-sufficient, standardized
 - Three types: Infantry, Armor, Stryker
- **Standardized HQs and Support Brigades**
 - Two echelons of Headquarters (Sustainment, Maneuver Enhancement, Fires, Aviation, BfSB)
 - Five types of Support Brigades

KEY ADVANTAGES

- **HQs joint capable and organized the way it will operate**
- **Combat Power**
 - 33 to 43 BCTs in the AC; 34 RC
 - Enhanced Combat Power of the UA
- **Number of BCTs in the rotational pool**
 - 48 to 77
- **In combination with AC/RC rebalancing, the Modular Force will reduce stress on the force:**
 - Predictable rotation cycle
 - Longer dwell time at home
- **Providing an organizational framework for implementation of the Future Combat Force Strategy... Linkage to the FCS Program**

**Transformation is Ingrained in Everything we do... Today and in the Future
Relevant and Ready...Today and Tomorrow**



Designing a Full Spectrum Force

Heavy Bdes (Armor, Mechanized, Armored Cavalry) Past Light Bdes (Airborne, Air Assault, Light, Light Cavalry)

Operating Environment

- Offensive, Defensive, and Security Missions in **open** or **mixed terrain**
- Against either **regular** or **irregular** forces
- Premium on mobile protected firepower balanced with dismounted infantry
- **Stability** operations

Operating Environment

- Offensive, Defensive, and Security Missions in or **near urban** terrain against either **regular** or **irregular** forces
- When in Forced Entry or Early Entry context, premium is on wheeled mobility and air transportability
- Premium is on infantry strength and mechanical transport
- Mobile protected firepower
- **Stability** operations

Operating Environment

- Offensive and Defensive Missions in **close terrain** (mountains, jungle, forests) against either **regular** or **irregular** forces
- Premium is on infiltration by foot and air assault mobility
- Augmented for stability ops

Heavy Brigade Combat Team

Stryker Brigade Combat Team

Infantry Brigade Combat Team

FCS Equipped Unit of Action



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U.S. ARMY

Transforming to a Modular Force

Before

Modular
Transformation

After

Brigades:	71
Infantry	29
Stryker	2
Heavy	40

HQs Above Brigade	35
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Fires	44
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Sustainment	72
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Aviation	33
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AC/RC

Brigade Combat Teams:	77
(43/34)	

Infantry	41
	(18/23)

Stryker	7
	(6/1)

Heavy	29
	(19/10)

HQs Above Brigade	26 (18/8)
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Fires	12 (6/6)
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Sustainment	35 (16/19)
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Aviation	25 (11/14)
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Maneuver Enhancement	16 (3/13)
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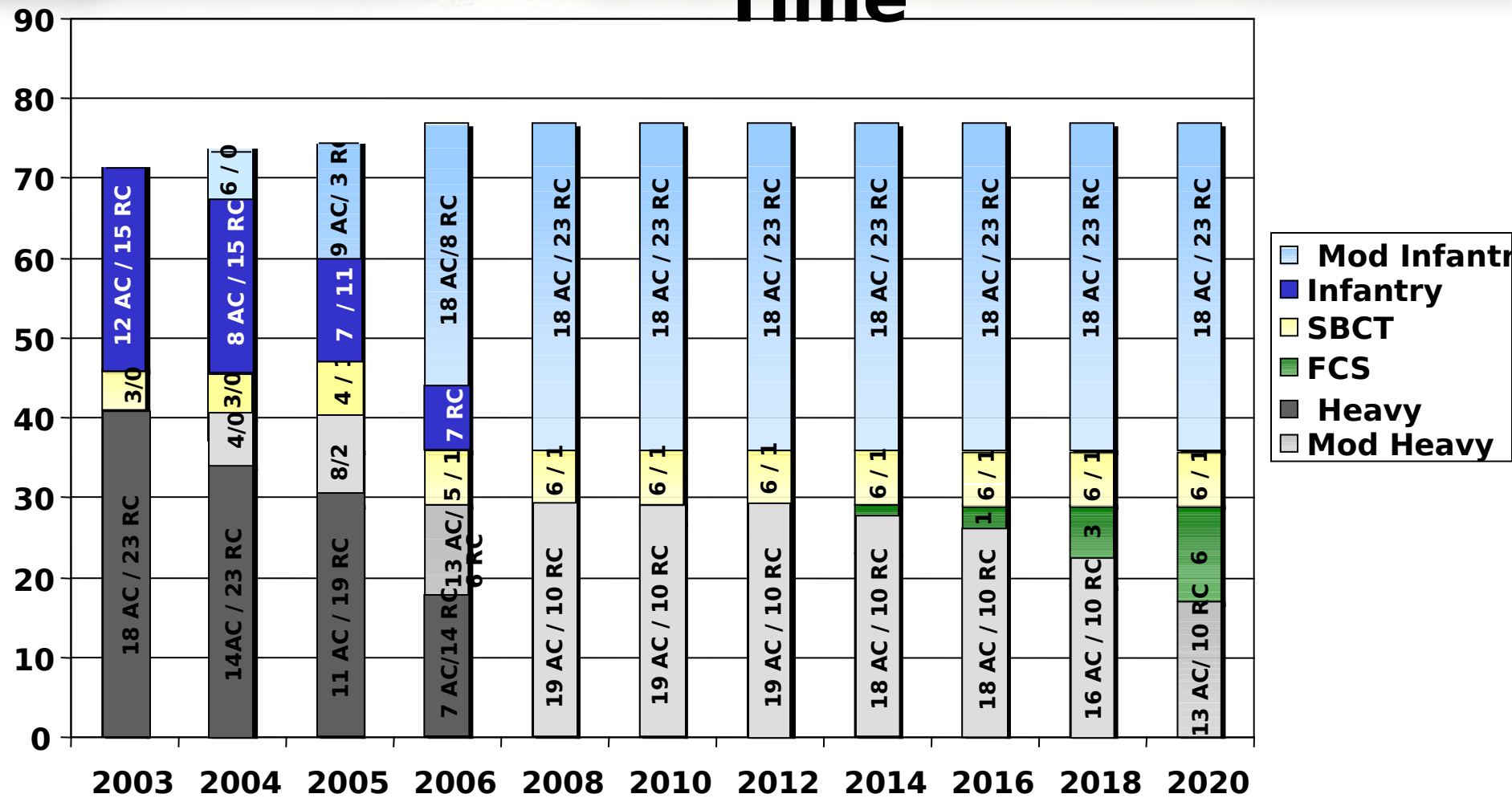
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Brigade Combat Teams Over Time



FCS spirals begin 2010 for selected operational BCTs

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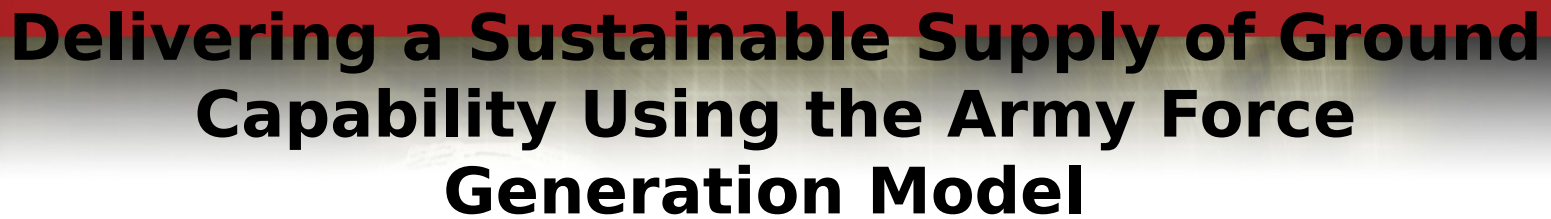
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Army Active Component
43 - 48 BCTs
3 year cycle (1 year in 3)



6 Relevant and Ready...Today and Tomorrow



Future Combat Force Strategy

Continually transition the current Army Modular Force to the future Army Modular Force by:

- Spin-out FCS-based technologies, such as active protection, networking, unattended sensors and munitions, and unmanned aerial and ground vehicles into the current force
- Integrating OIF/OEF lessons learned in the areas of doctrine, organization, training, and leadership as well as other advanced technologies into the future force (DARPA)
- Incorporating advanced manned combat platforms developed in the FCS Program

Current

Future

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7 Relevant and Ready...Today and Tomorrow



A Modular Force Structure Prepared to Accept Future Combat System Technologies as they Mature

FCS - System Development and Demonstration

FY2008

FY2010

FY2012

FY2014

1st UA Fielding

FY 14-16 (18 of 18)

Innovate

Evaluate

Experience

Improve Capability

Spin-out 1

- Unattended Ground Sensors
- NLOS-LS
- NLOS-C
- Intelligent Munitions System
- Network

Spin-out 2 (Scheduled)

- EO/IR UAV payload
- Network Upgrade
- Active Protection Systems (APS)

Spin-out 3 (Scheduled)

- Unmanned Ground Vehicle
- Network Upgrade

Spin-out 4 (Scheduled)

- Network Upgrade

Infantry

Stryker

Heavy

Aviation

Fires

Sustainment

RSTA Maneuver Enhancement



Spiral 1 Fielding

Spiral 2 Fielding

Spiral 3 Fielding

Future Combat System
Networked Capability

Fielding FCS Capabilities to the Modular Force

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Back Up Slides

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10 Relevant and Ready... Today and Tomorrow



Headquarters Transformation

Current

t XXXX

Army

- HHC Only
- Large AUGTDA
- Support Elements Task Organized

XXX

CORPS

XX

DIV

DIV HQ:
765 Spaces
24th ID 144 Spaces
7th ID 140 Spaces

X

BDE

BDE HQ:
86 Spaces

ASCC	SPACES
USARPAC	263
EIGHTH	786
USARSO	282
THIRD	878
SEVENTH	563
TOTAL	2,772

WARFIGHT HQ	SPACES
I	324
XVIII	286
III	293
V	325
20 DIVISIONS	14,054
TOTAL	15,282

BCT	SPACES
27 LT HQ	2,322
40 HVY HQ	3,440
4 SBCT HQ	492
71 TOTAL	6,254

Transformed

UE_y

UE _y	SPACES	DELTA
ARPAC	1,161	+112)
ARSOUTH	282	0
ARCENT	1,161	+283
USAREUR	1,161	+598
ARNORTH	130	+130
TOTAL	3,895	+1,123

UE_x

WARFIGHT HQ	SPACES	DELTA
3 UEx (3)	3030	+1,802)
18 UEx (2)	18180	+4,126
TOTAL	21210	+5,928

BCT (UA)

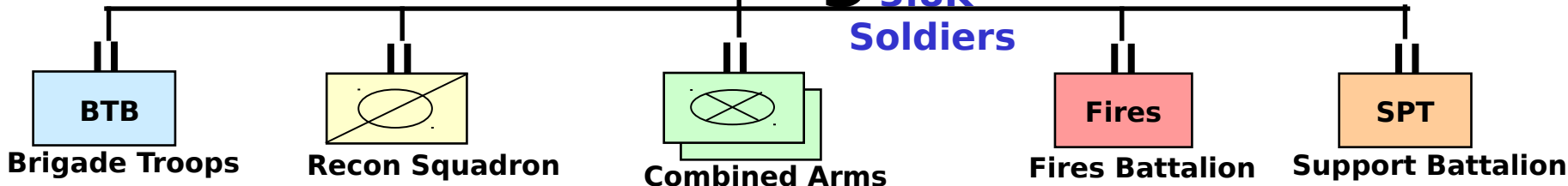
BCT	SPACES	DELTA
41 IBCT HQ	6068	+3,746
29 HBCT HQ	4553	+1,113
7 SBCT HQ	861	+369
77 TOTAL	11482	+5,228






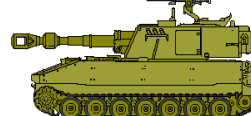






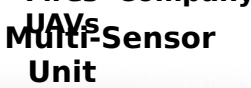




- Reduces number of HQ echelons
- Provides a fully staffed expeditionary and Joint focused HQ structure
- Increases capability for Regional Combatant Commander's
- Imbedded Support facilitates Stand-Alone Operations
(Self contained staff - does not need plugs from subordinates)
- Requires fully resourcing personnel authorizations to provide an expeditionary



Heavy Brigade Combat Team Design

~3.8K
Soldiers



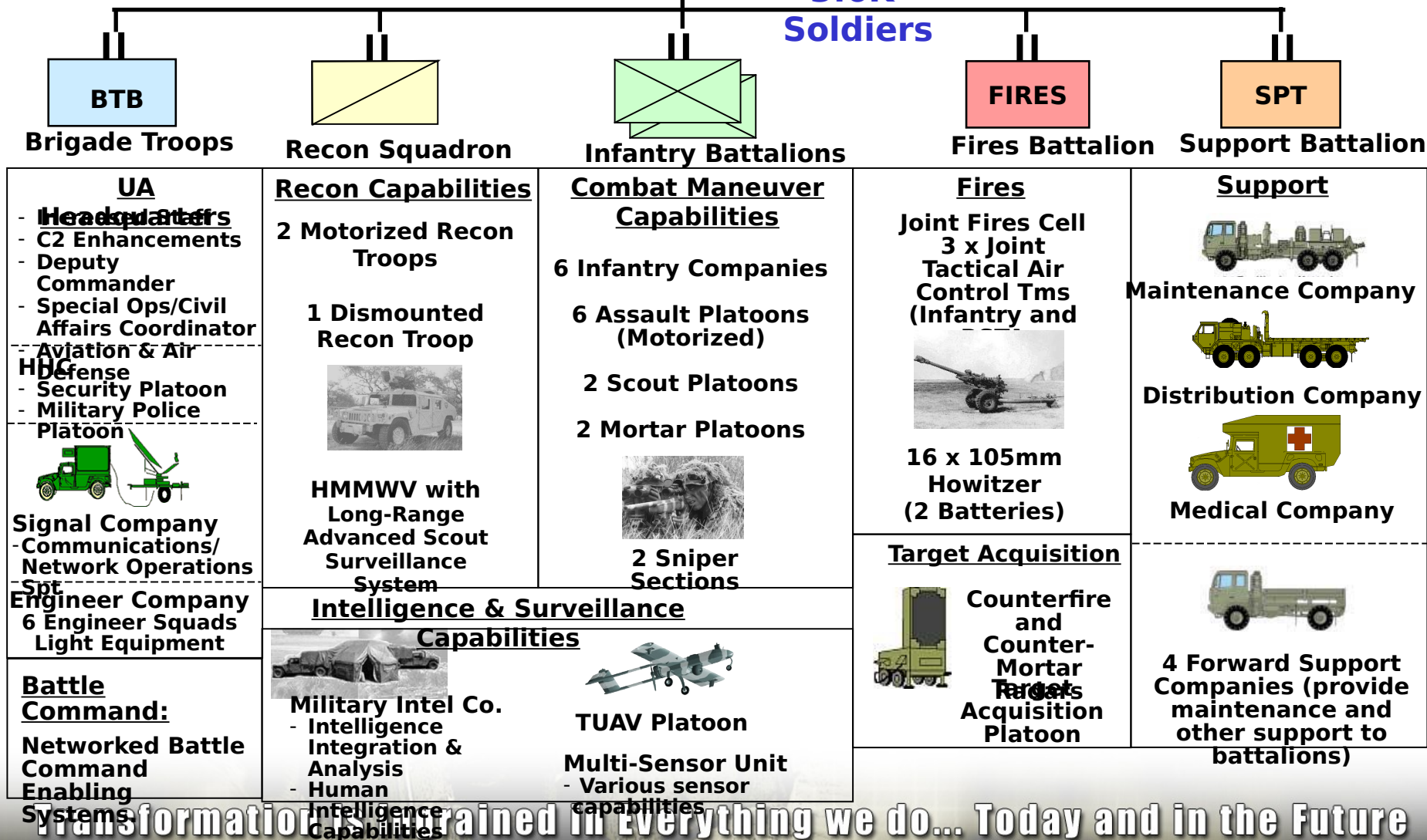
UA Headquarters	Combat Maneuver & Recon Capabilities		Fires	Support
<ul style="list-style-type: none">- Inc. Headquarters- C2 Enhancements- Deputy Commander- PSYOPS/Civil Affairs- Aviation & Air Defense	 58 M1A1 Tanks	4 Tank Companies 4 Mechanized Companies 3 Recon Troops 2 Scout Platoons 2 Mortar Platoons	 95 Bradley Scout & Infantry Fighting Vehicles	 Maintenance Company
HHC <ul style="list-style-type: none">- Security Platoon- Military Police Platoon	 14 X 120mm Mortar Carriers	 40 HMMWV w/Long- Range Advanced Scout	 16 x 155mm Howitzer (2 Batteries)	 Distribution Company
 Signal Company <ul style="list-style-type: none">- Communications/Network Operations Support	Intelligence & Surveillance Capabilities  Military Intel Co. <ul style="list-style-type: none">- Intelligence Integration & Analysis- Human Intelligence Capabilities		 2 Sniper Sections	 Medical Company
Battle Command: Networked Battle Command Enabling Systems.	 TUAV Platoon <ul style="list-style-type: none">- Armed Recon / Fires Company  JAVs Multi-Sensor Unit <ul style="list-style-type: none">- Various sensor capabilities		 Counterfire and Counter-Mortar Radars	 4 Forward Support Companies (provide maintenance and other support)
			 Chemical Recon Vehicles	 12 Engineer Squads (2 Engr Companies)

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Infantry Brigade Combat Team Design

~3.6K
Soldiers



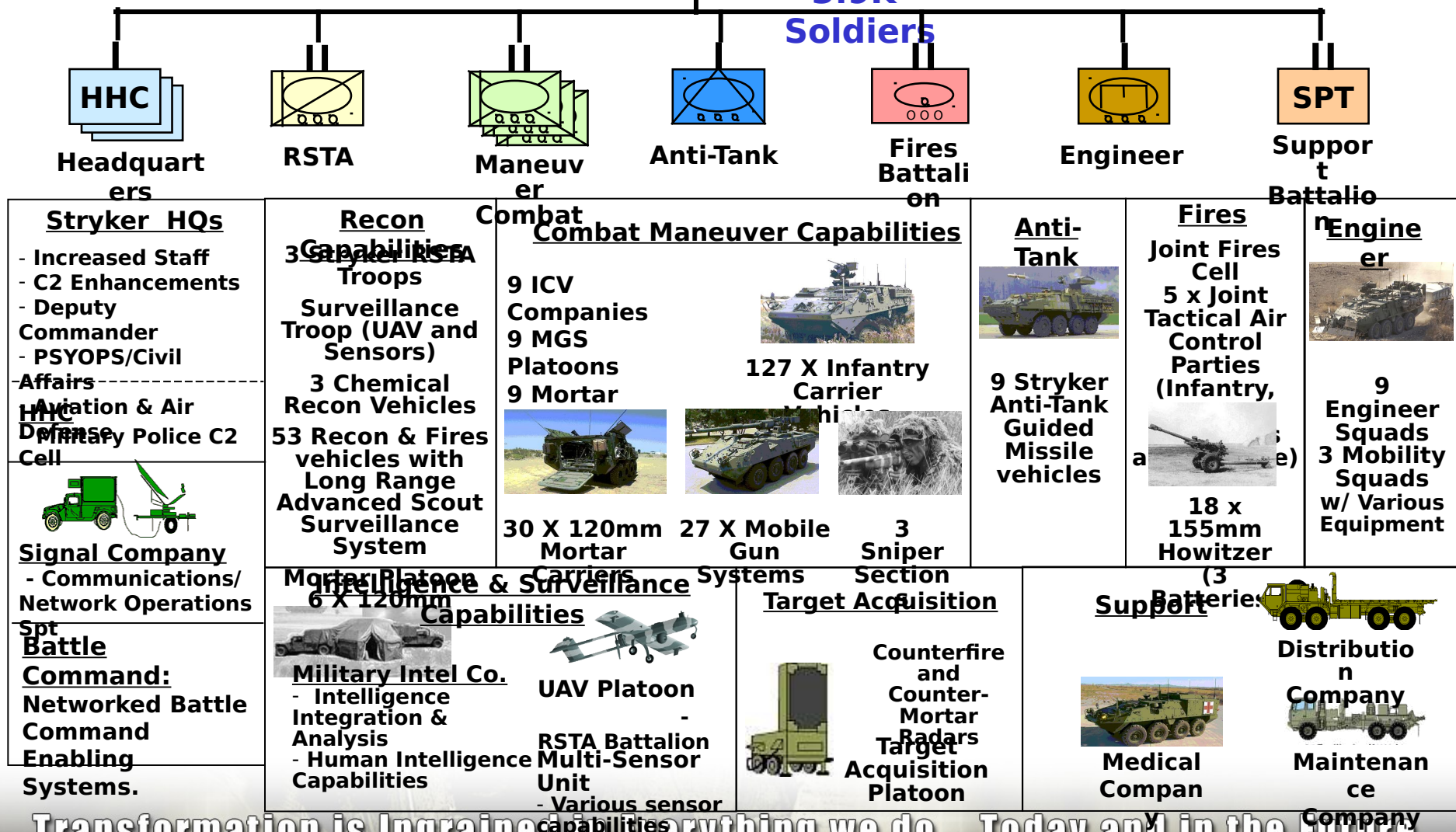
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Stryker Brigade Combat Team

Design

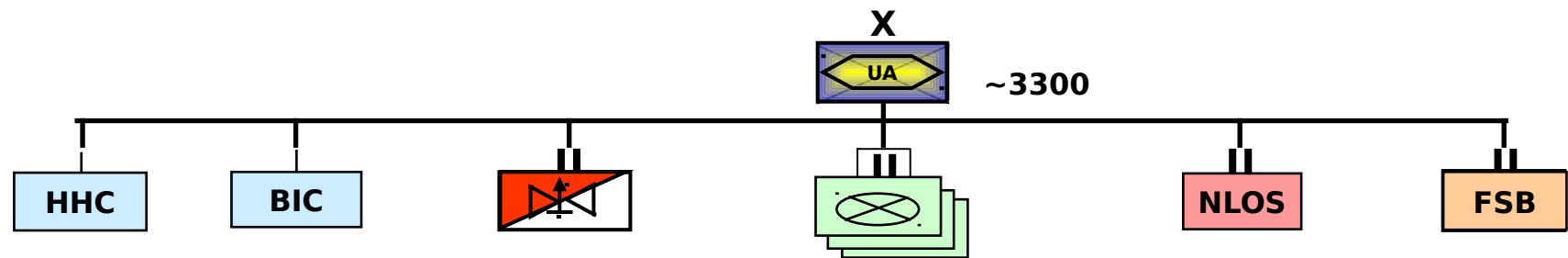
~3.9K
Soldiers

















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FCS Unit of Action



Combat Maneuver Capabilities

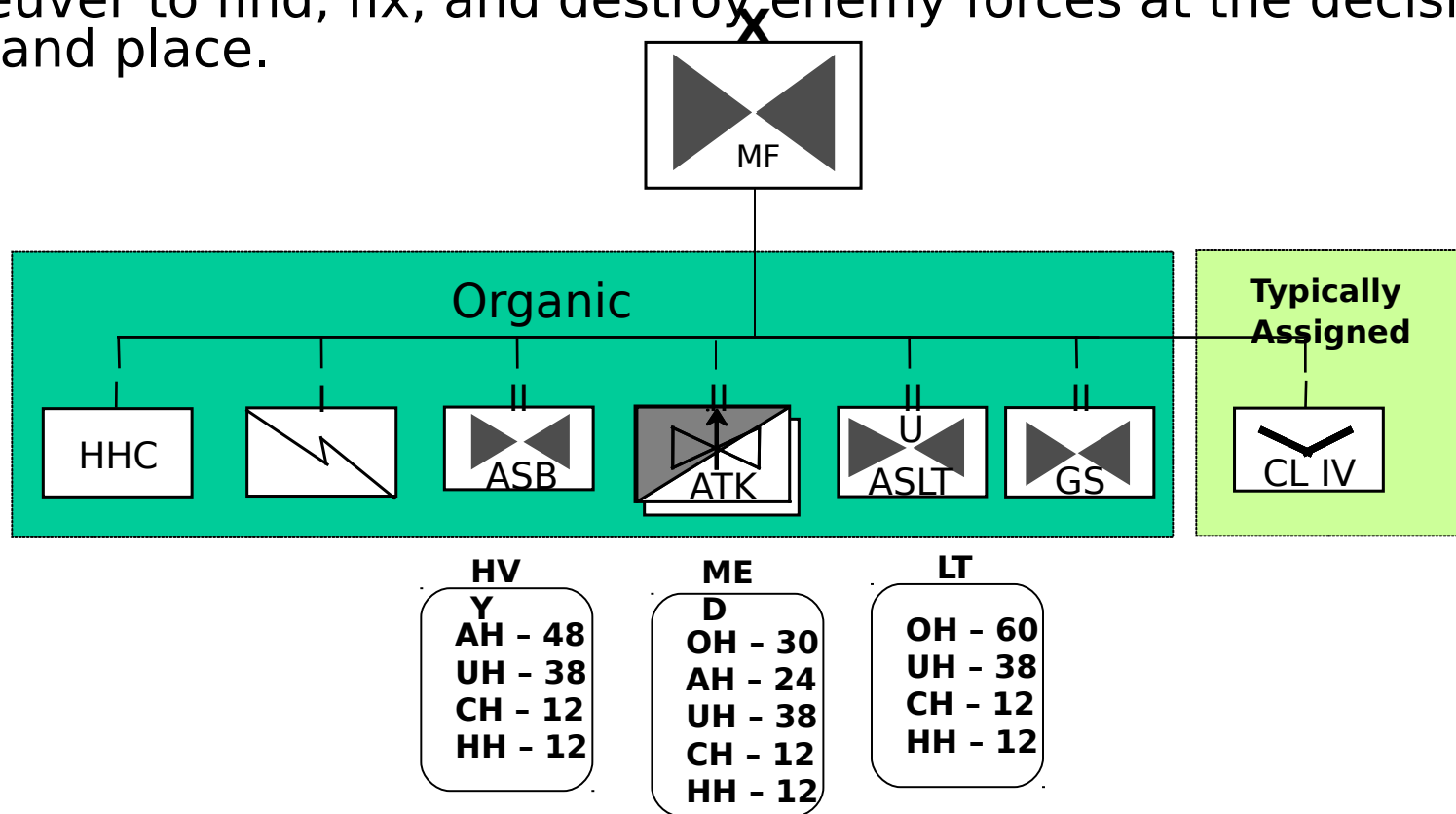
UA Headquarters	Recon Capabilities	Combat Maneuver Capabilities	Fires	Support
 ICV 4 Integral WMI Work Stations maximizing C4ISR capabilities, with Networked Lethality and APS for survivability  Battle Command: Networked Battle Command Enabling System allows the FCS UA to operate as a cohesive system of systems where the whole of its capabilities is greater than the sum of its parts. The network enables soldiers to perceive, comprehend, shape and dominate the future battlefield.	 UAV Class I Class II Class III Class IV R&S V Advanced sensor suite includes mast-mounted, long-range electro-optic infrared sensor, an emitter mapping sensor for radio frequency (RF) intercept and direction finding, remote chemical detection, and a multifunction RF.  UGVs (SUGV/ARV RSTA) SUGV- manportable UGV capable of operating in urban terrain, tunnels and caves. UGS (Tactical and Urban) Detects and identifies targets using visual, seismic, magnetic and acoustic signatures	 ICV XM 307 - 50 Cal Consists of four externally identical platform versions: Company Cdr; Platoon Ldr; Rifle Squad; and Weapons Squad. Networked Lethality & APS for enhanced survivability MCS 120 mm Cannon CCAS Abrams direct fire lethality, ammo compatibility + BLOS to engage point targets to 8 km, and employs Networked Fires and APS for enhanced survivability  UGVs (ARV Aslt/Light) ARV Assault will support the dismounted infantry in the assault with direct fire and AT weapons; and occupy key terrain and provide over-watching fires  MULE 2.5 ton UGV variant detects, marks and neutralizes mines	 NLOS-M 120mm Turreted Mortar Responds within 30 secs emplaced and 60 secs moving; 8 rds/m sustained and employs Precision Guided Mortar Munitions  NLOS-C Quick halt firing. Networked, extended-range targeting and multiple round-simultaneous impact (MRSI) of point and area targets with fully automated handling, loading and firing.  NLOS-LS Consists of container launch unit (CLU); 15 missiles in any combination; vertically launches missiles from sealed canisters carried by ground vehicle or placed on the ground.  IMS Lethal and non-lethal unattended munitions integrated with sensors and the network to shape offensive battlespace and provide protection	 FMRV XM 307 -25mm Battle Damage Assessment and Repair (BDAR), and recovery. Includes exothermic cutting tool and welding tool. Holds 3 crew and 3 recovered crew.  MV-E & ME-T Onboard Oxygen Generators to provide the capability to treat on the move Physiological Monitoring MC4, TMIP, Blood Refrigerator (Treatment)  MULE (Transport and Retrans)

Platform integrated C4ISR, on board sensor suite and platform diagnostics. Cannot be duplicated on existing platforms. Networked Logistics Systems integrated through the Family-of-Systems to achieve reduced logistics footprint, enhanced deployability, increased operational availability, and reduce total ownership costs. Embedded Live-Virtual-Constructive (L-V-C) Training integrated into platform. FCS has no Engineer or Anti-Tank variants. Anti-tank capability is MCS, Armed Robotic Vehicles and NLOS-LS. Countermine Multifunctional Utility/Logistics and Equipment (MULE) Vehicle will detect, mark and neutralize anti-tank mines.



Aviation Brigade

Mission: Plan, prepare, execute and assess aviation and combined arms operations to support UEx and maneuver brigade scheme of maneuver to find, fix, and destroy enemy forces at the decisive time and place.



Standard Bde Design - However, aircraft vary by type of bde

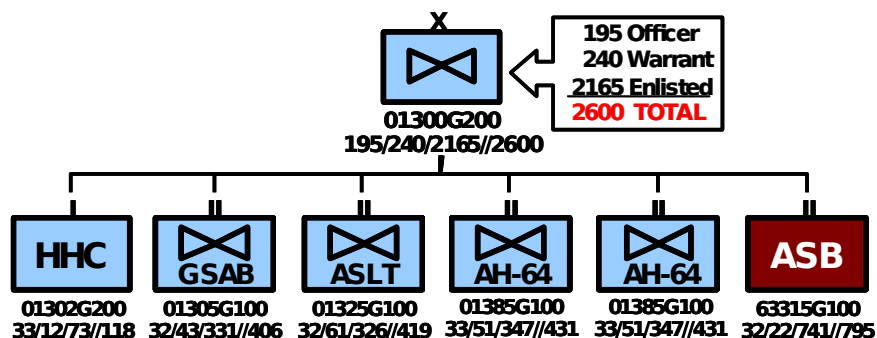
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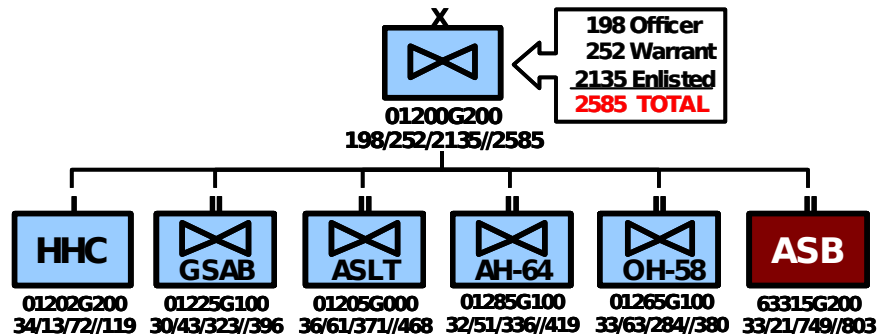


Aviation Brigades

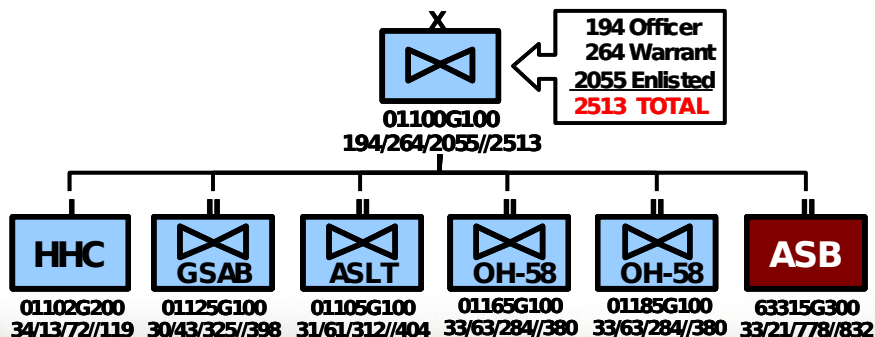
Heavy MFAB



Medium MFAB



Light MFAB



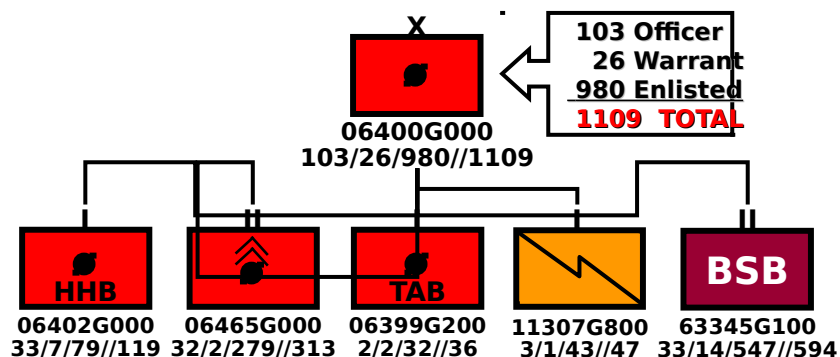
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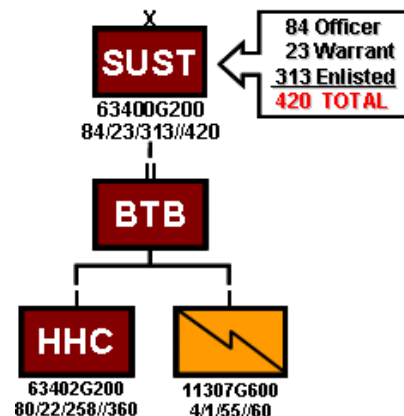


Support Brigades

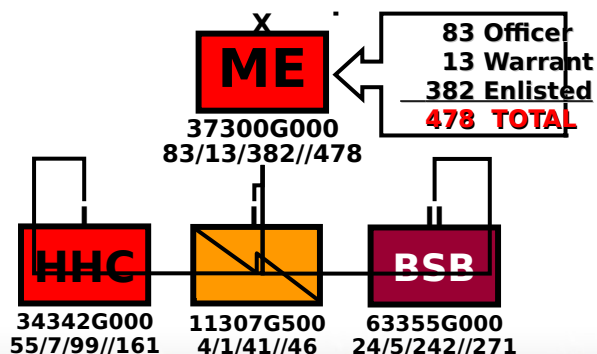
Fires BDE



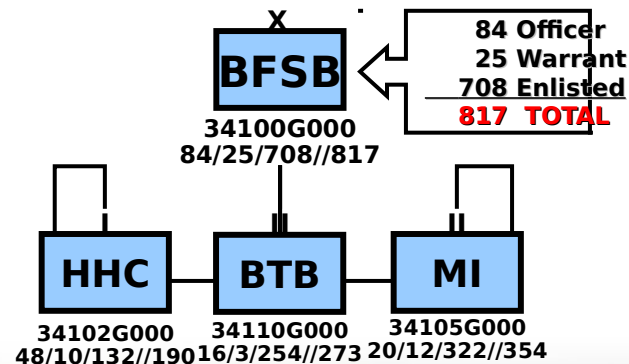
Sustainment BDE



Maneuver Enhancement BDE



Battlefield Surveillance BDE



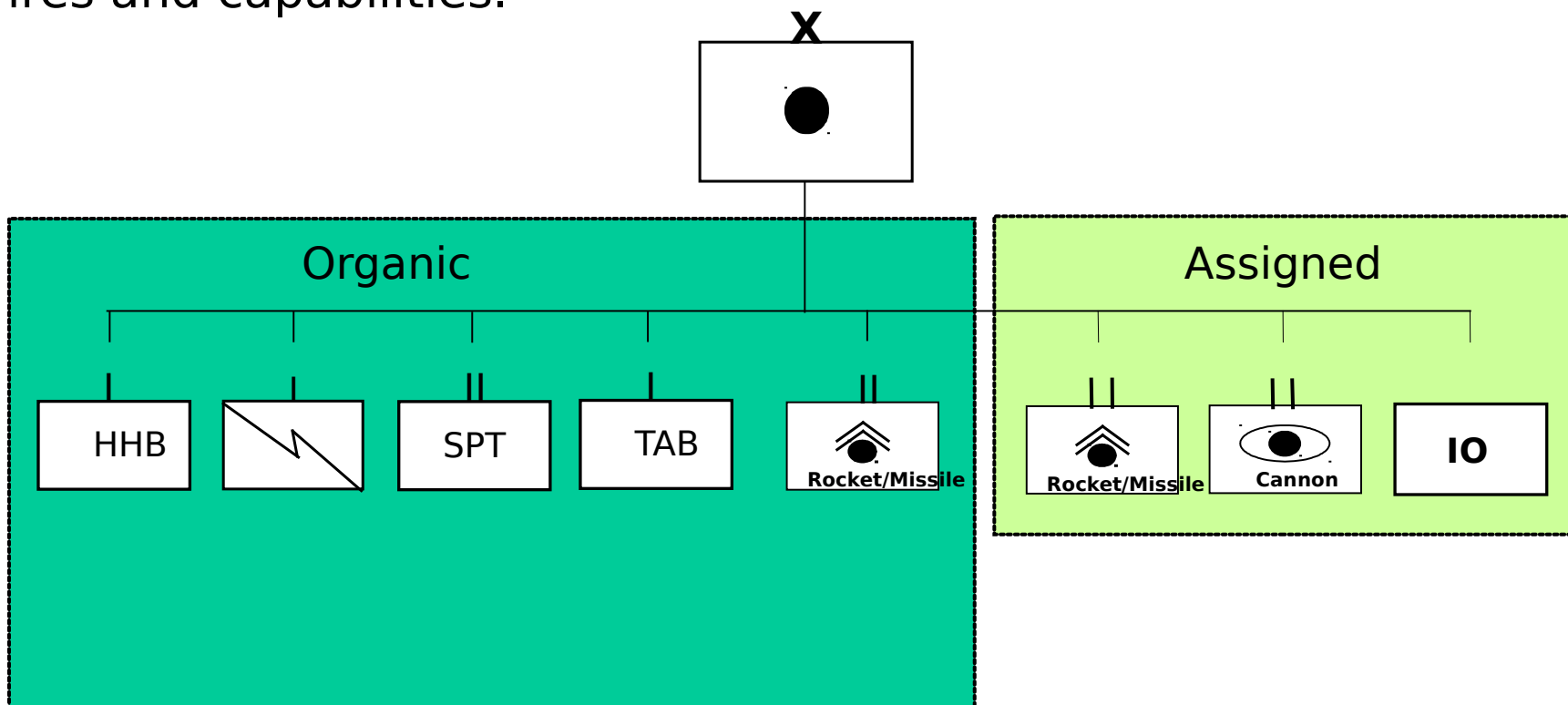
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Fires Brigade

Mission: Plan, prepare, execute and assess combined arms operations to provide close support and precision strike for JFC, UE, maneuver UAs and support UAs employing Joint and organic fires and capabilities.



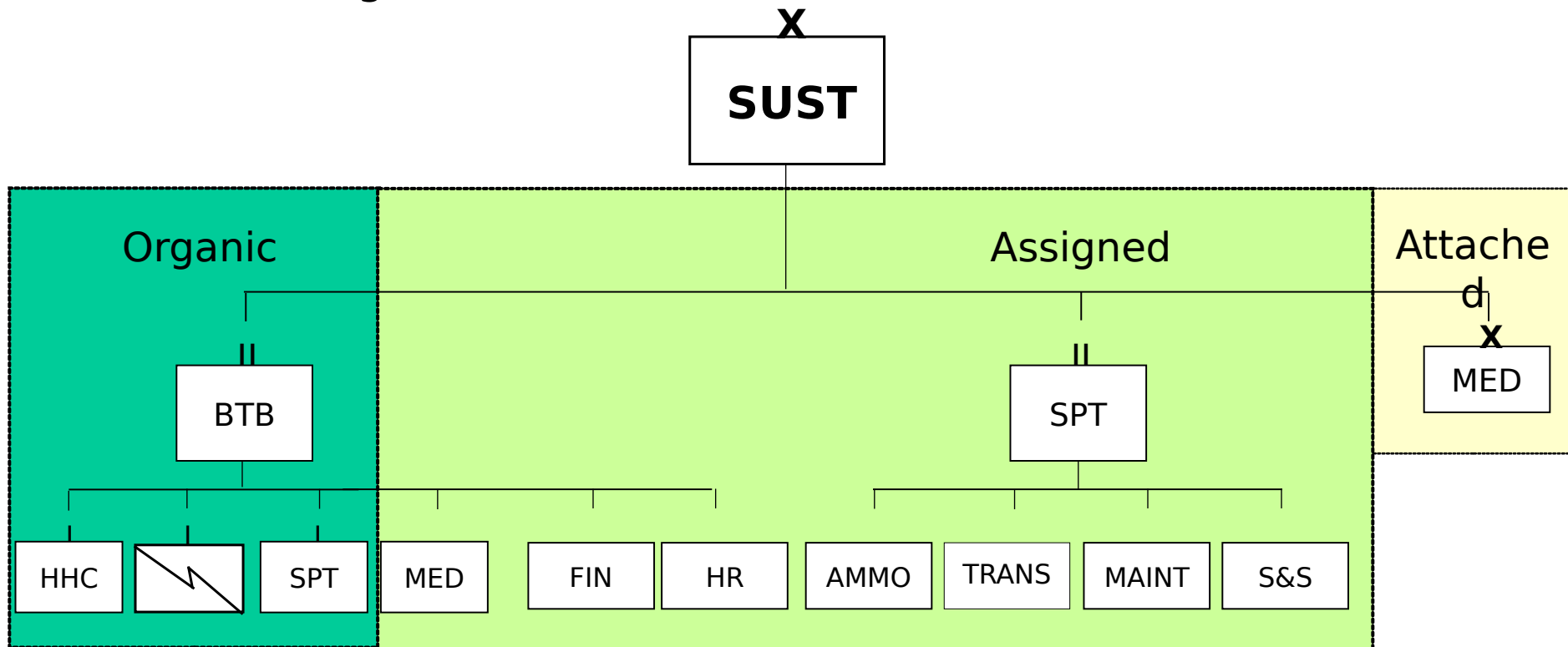
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Sustainment Brigade

Mission: Plan, prepare, execute and assess CSS operations within assigned AO



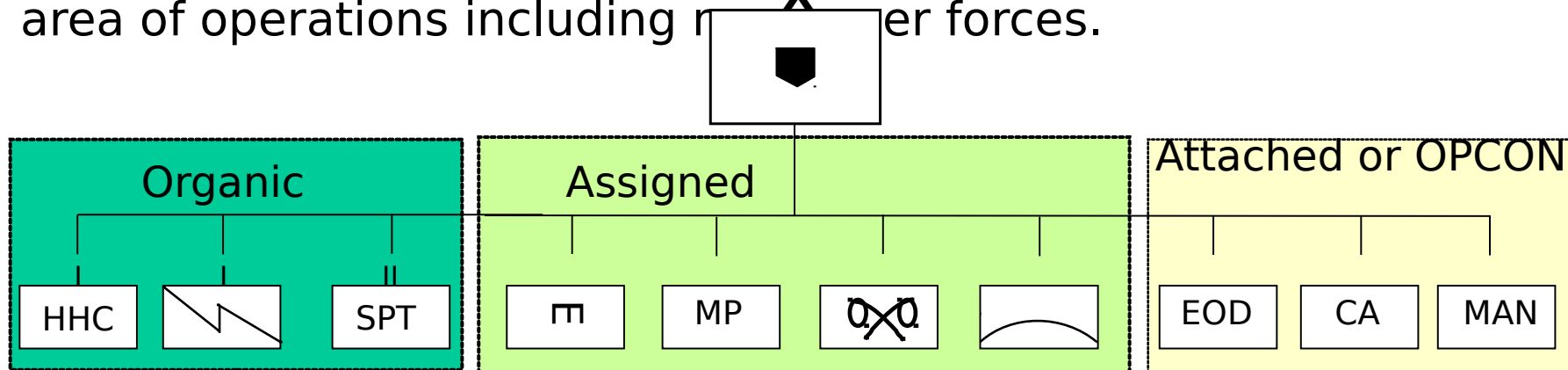
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Maneuver Enhancement Brigade

Mission: The Maneuver Enhancement Brigade enables and enhances the full dimensional protection and freedom of maneuver of a supported Army, joint or multinational headquarters by shaping, leveraging or mitigating the effects of the operational environment at the tactical and operational levels. It augments maneuver and support brigades with functional assets to optimize the tailored capabilities of those organizations and enhance force application, protection, and focused logistics across multiple areas of operation and can provide a headquarters to command and control an assigned area of operations including maneuver forces.



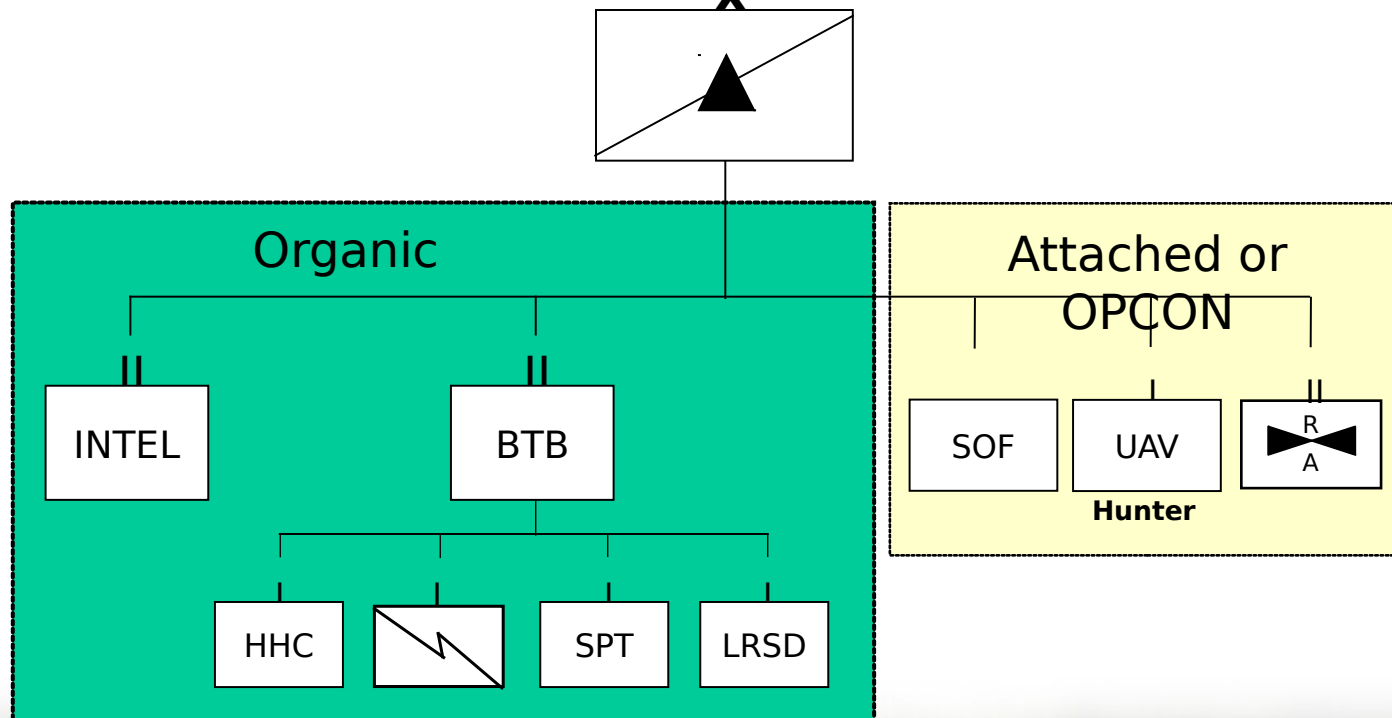
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Battlefield Surveillance Brigade (BFSB)

Mission: Conducts Reconnaissance, Surveillance, and Intelligence operations to enable the UEx, JTF, or Joint Force Commander to focus joint combat power and effects with precision to simultaneously support current and future operations throughout the Area of Operation.



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